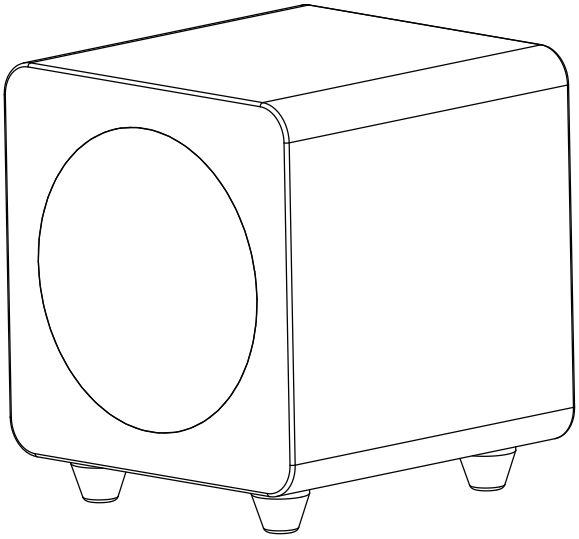
kanto

English

User Manual

sub6 Subwoofer



kanto sub6

SUBWOOFER

Supporting your digital lifestyle™

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Important Safety Precautions

ATTENTION

The exclamation point within an equilateral triangle is intended to alert the user of the presence of important operating and maintenance (servicing) instructions in the literature accompanying the apparatus.

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE BACK PANEL. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

DANGEROUS VOLTAGE

The lightning flash with arrowhead, within an equilateral triangle, is intended to alert the user of the presence of non-insulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

- Read these instructions.
- Keep these instructions.
- Heed all warnings.
- Follow all instructions.
- Do not use this apparatus near water.
- Clean only with a dry cloth.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Protect the power-supply cord from being walked on or pinched, particularly at plugs, convenience receptacles and the point where they exit from the apparatus.
- Only use attachments / accessories specified by the manufacturer.
- Unplug this apparatus during lightning storms or when unused for long periods of time.
- Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, the apparatus does not operate normally, or the apparatus has been dropped.
- Apparatus shall be connected to a MAINS socket outlet with a protective earthing connection.
- An appliance input coupler is used as the disconnect device - the disconnect device shall remain readily operable.
- Batteries or battery packs shall not be exposed to excessive heat such as sunshine, fire or the like.

FCC Warnings
- Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
- This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

FCC Notice:
- This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Industry Canada Notice:
- Complies with CAN ICES-3(B) / NMB-3(B)

Introduction

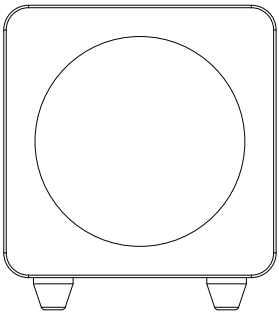
Thank you for choosing the **sub6** powered subwoofer. **sub6** was designed to augment the bass performance of your speakers in a stereo setup or in a home theater installation.

Adding a subwoofer to your system extends the bass response produced by your existing speakers and improves their midrange clarity. In a home theater application, the subwoofer takes care of reproducing signals from the low frequency channel. In a stereo system, the subwoofer helps reduce the low-frequency demands on the main speakers.

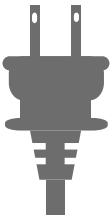
We recommend you read all instructions carefully before using the **sub6** and keep them for future reference. Kanto cannot be liable for damage or injury caused by incorrect setup or use of this product.

This powered subwoofer was carefully tested and inspected during production, and before packaging and shipping. After unpacking, please check for any damage. It is rare that a unit is damaged during shipping, but if this happens contact your retailer immediately. You can also call Kanto directly at 1-888-848-2643 or email support@kantoaudio.com.

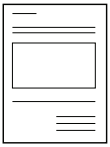
What's In the Box?



sub6



Power Cord



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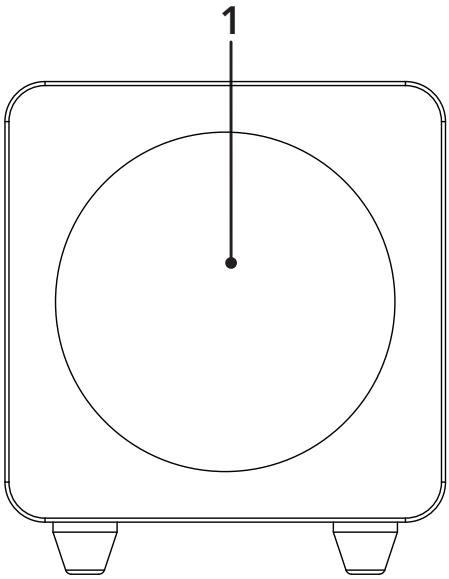
User Manuals

Front & Rear Panels

FRONT PANEL

1 6" Paper Cone Driver



REAR PANEL

2 Volume Knob

3 Low-Pass Filter Frequency Control

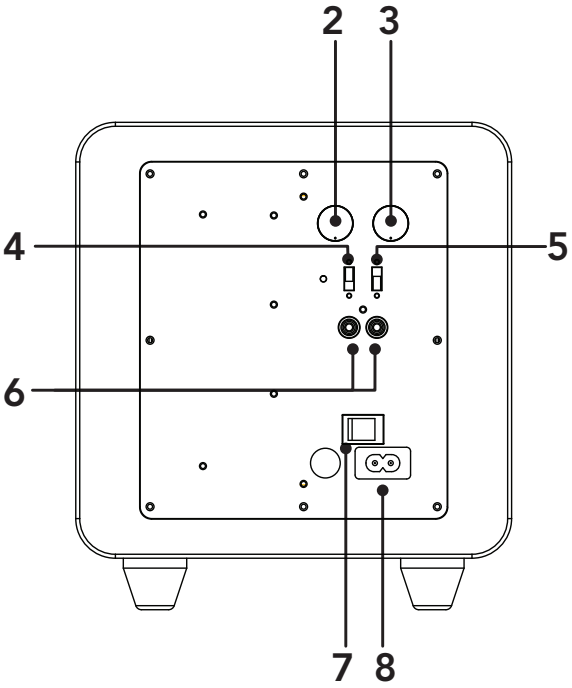
4 Standby Power

5 Phase Switch

6 Line Level Input

7 ON / OFF Switch

8 AC Input Connection (100 V - 240 V)



Setting up and Connecting your Subwoofer

Ensure that the ON/OFF Switch is in the OFF position before connecting any component.

To some degree, positioning the subwoofer is less critical because it produces only non-directional low-frequency sounds. However, best results are obtained if the subwoofer is placed either between the left and right speakers or in the vicinity of either the left channel or right channel speaker.

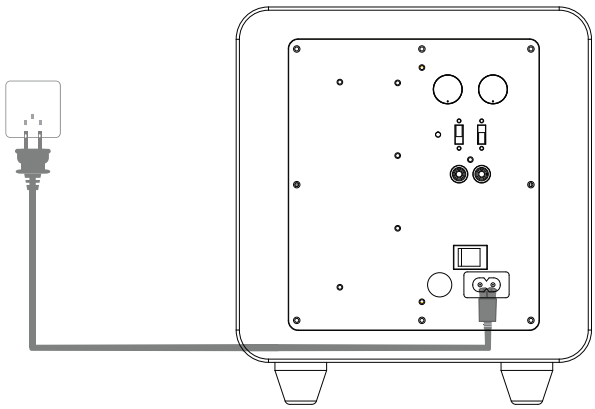
As with all speakers, moving the **sub6** very close to room boundaries will enhance the bass frequencies but will tend to muddy the sound. Room characteristics and positioning have a profound effect on the performance of the subwoofer, so time and effort devoted to achieving the optimum operating position will be rewarded.

In a typical full range application using one subwoofer like the **sub6** thru a single wire connection, you can connect to either the Left or Right Line Level Input. Connect your stereo component such as powered speakers with subwoofer output (e.g. YUMI, YU3, SYD6), power or integrated amplifiers with preamplifier output (e.g. YARO), or multi-channel home theater receivers with subwoofer output. If your components are equipped with both L/R subwoofer outputs or L/R preamplifier outputs, we recommend connecting the component to the **sub6** by using both Left and Right Line Level Input channels.

The Low-Pass Filter Control is used to set the upper limit of the frequencies that **sub6** will reproduce, typically within the range of 40Hz-120Hz. Refer to your manufacturer's information for the cut-off frequency of your main speakers.

The Phase Switch is normally set to 0°. If the **sub6** is positioned significantly farther from the main speakers or if the subwoofer is used in a stereo setup where the amplifier driving the main speakers inverts the phase signal, the 180° setting may be desirable. Listen with the switch in both positions and select the setting that gives the fullest sound. If in doubt, or if there is little difference, leave the switch set to 0°.

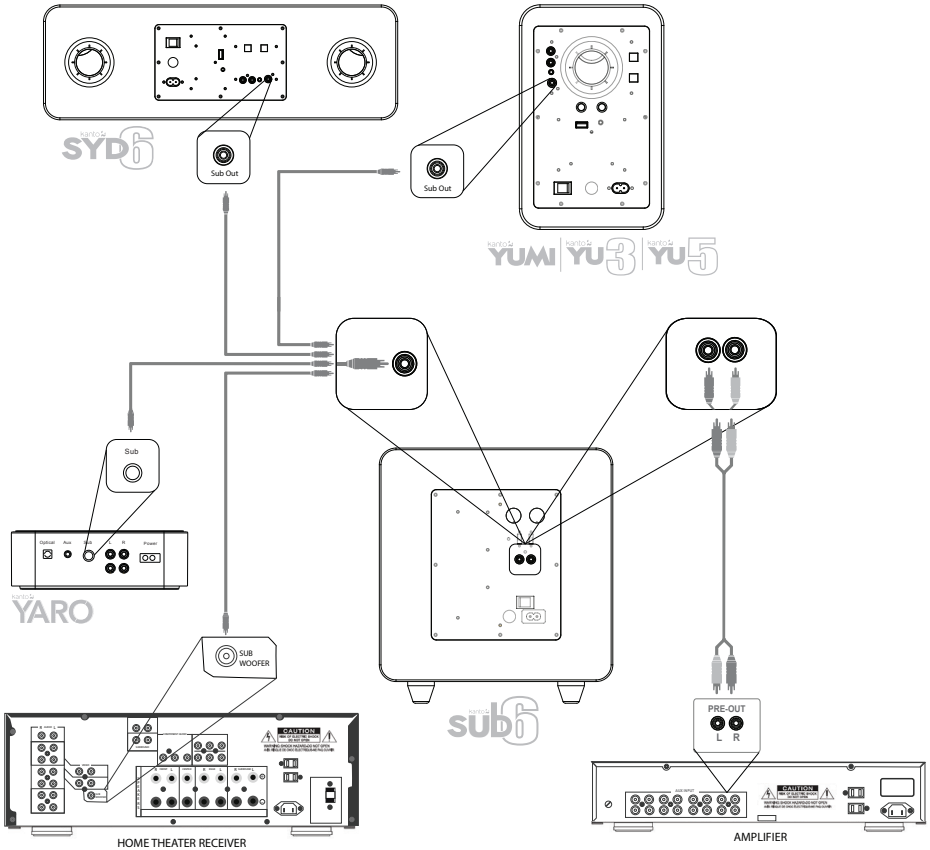
Follow the instructions on the following page to connect your components to **sub6**. The examples are not meant to be exhaustive - just examples.



ATTENTION

When connecting audio cables the ON/OFF Switch must be turned OFF. After connecting all cables, the unit can be turned ON.

Setting up and Connecting your Subwoofer



Specifications

sub6 SUBWOOFER

Woofer	6” Paper Cone Driver
Nominal Impedance	4 Ohm
Sensitivity 2.83V (/1W/1m)	86 dB
Amplifier Type	Class D
Power Output	80 Watts
Input Sensitivity	250 mV
Total Harmonic Distortion	< 0.3%
Frequency Range	30 Hz - 250 Hz
Frequency Response	35 Hz - 165 Hz ± 6 dB
Low-Pass Filter	40 Hz - 120 Hz
Phase Switch	0° and 180°
Inputs	1 x RCA L/R Line Level
Input Voltage / Frequency	AC 100 V - 240 V 50/60 Hz (auto switching)
Standby Power Consumption	< 0.5 W
Dimensions	W 8.7”x H 8.7” x D 8.7” (220 x 220 x 220 mm)
Net Weight	10.5 lbs (4.8 kg)
Gross Weight	13 lbs (5.9 kg)

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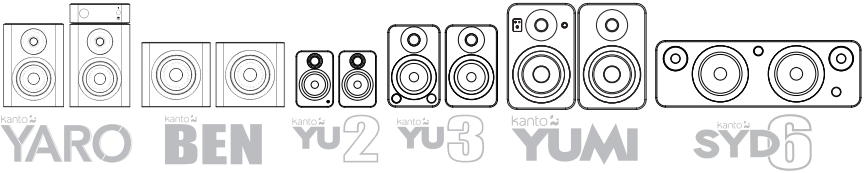

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Warranty

Limited Warranty To Original Purchaser

Kanto Distribution Inc. (Kanto) warrants the equipment it manufactures to be free from defects in material and workmanship for the following limited warranty period of:

24 months parts and labour

If equipment fails because of such defects and Kanto or an authorized dealer is notified within 24 months from the date of shipment with proof of original invoice. Kanto will, at its option, repair or replace the equipment, provided that the equipment has not been subjected to mechanical, electrical, or other abuse or modifications. Equipment that fails under conditions other than those covered will be repaired at the current price of parts and labor in effect at the repair. Such repairs are warranted for 90 days from the day of reshipment to the original purchaser. This warranty is in lieu of all other warranties expressed or implied, including without limitation, any implied warranty or merchantability or fitness for any particular purpose, all of which are expressly disclaimed.

The information in the owner's manual has been carefully checked and is believed to be accurate. However, Kanto assumes no responsibility for any inaccuracies that may be contained in the manual. In no event will Kanto, be liable for direct, indirect, special, incidental, or consequential damages resulting from any defect or omission in this manual, even if advised of the possibility of such damages.